NAME

CURLOPT_STREAM_WEIGHT − set numerical stream weight

SYNOPSIS

```
#include <curl/curl.h>

CURLcode curl_easy_setopt(CURL *handle, CURLOPT_STREAM_WEIGHT, long weight);
```

DESCRIPTION

Set the long *weight* to a number between 1 and 256.

When using HTTP/2, this option sets the individual weight for this particular stream used by the easy *handle*. Setting and using weights only makes sense and is only usable when doing multiple streams over the same connections, which thus implies that you use *CURLMOPT_PIPELINING(3)*.

This option can be set during transfer and will then cause the updated weight info get sent to the server the next time a HTTP/2 frame is sent to the server.

See section 5.3 of RFC 7540 for protocol details: https://httpwg.github.io/specs/rfc7540.html#StreamPriority

Streams with the same parent should be allocated resources proportionally based on their weight. So if you have two streams going, stream A with weight 16 and stream B with weight 32, stream B will get two thirds (32/48) of the available bandwidth (assuming the server can send off the data equally for both streams).

DEFAULT

If nothing is set, the HTTP/2 protocol itself will use its own default which is 16.

PROTOCOLS

HTTP/2

EXAMPLE

TODO

AVAILABILITY

Added in 7.46.0

RETURN VALUE

Returns CURLE_OK if the option is supported, and CURLE_UNKNOWN_OPTION if not.

SEE ALSO

CURLOPT_STREAM_DEPENDS(3), **CURLOPT_STREAM_DEPENDS_E**(3), **CURLOPT_PIPEWAIT**(3), **CURLMOPT_PIPELINING**(3),